

# New Portable Gear Lets YOU find out what toxins are killing you at home, work. Stop Cancer before it stops you!

Wed, 18 Dec 2013 16:00:00, newstips66, [category: elon-musk, category: energy-dept-slush-fund, category: lithium-batteries, category: worldnews]

**You can now control your, and your town's, lifespan with new toxic testing technologies.**

Draft 3.1- Team 45, collaborative

Until recently, all testing labs were owned and controlled by many of the same companies who were producing the chemicals that cause cancer, lung disease, liver disease, brain damage and other terminal afflictions.

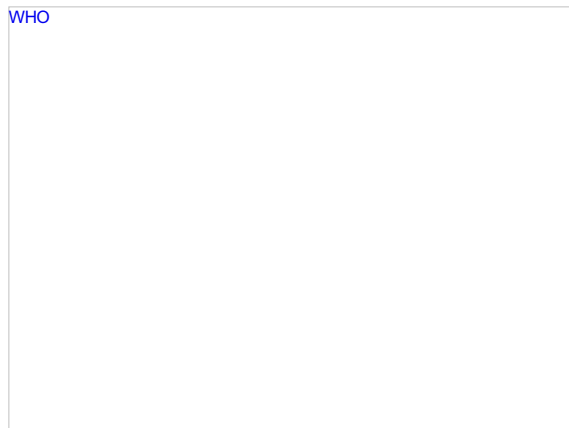
In recent years, a whole new generation of portable, and personal, chemical testing systems has emerged that has revolutionized your ability to find out what's killing you.

Concrete foundations, in homes, suck deadly toxins into your house like a sponge. Did you know you can test for those toxins yourself?

The leaves on the plants around you hold secrets about groundwater carcinogens. Do you know you can listen to what they have to say with just your notebook PC?

Three strands of your hair can disclose what heavy metal poisons are in your body. Do you want to track and find the source of those toxins?

Is the arrival of the Fukushima water going to fry the West Coast? Now you can test the water at the beach yourself.



This Special Report will identify the technologies, the suppliers you can go to, the process you can use and how other communities have identified and terminated toxic poisoning that was killing them slowly.

## Community Case Examples:

Community BP Investigation: [CLICK HERE>>>](#)

Bhopal India Chemical Case: [CLICK HERE>>>](#)

Cell Tower and EMF Radiation Community Testing [CLICK HERE>>>](#)

Erin Brokovitch Studies: [CLICK HERE>>>](#)

3 Mile Island Case: [CLICK HERE>>>](#)

Northern California Cancer Study: [CLICK HERE>>>](#)

Northern California Study 2, Environmental Justice- Richmond: [CLICK HERE>>>](#)



(Image: San Jose Mercury News)

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In a fire from a **TESLA MOTORS** car, the chemicals in the smoke cloud from burning the lithium ion batteries in the Tesla and the Tesla plastic are known to produce brain damage. If you see a **TESLA car on fire**, get your children as far away from it as possible.

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**A few samples of personal/portable toxin testing equipment that you, or your community, can buy and test your environment for yourself:**

### **Remote Sensing Spectroradiometer**

#### **Field Portable Spectrometers**

Contact:

<http://www.spectralevolution.com>

### **Handheld XRF Device**

Contact:

<http://www.bruker-elemental.net>

<http://cwmi.css.cornell.edu/soilquality.htm>

### **Mini-Raman Lidar System (MRLS) spectral identifier**

Contact:

Texas Agrilife Research

Louisiana State University

Virginia Tech

Swedish Environmental Research Institute

### **Near-Infrared Diffuse Reflectance Spectroscopy**

Contact:

Texas Agrilife Research

Louisiana State University

Virginia Tech

Swedish Environmental Research Institute

## **ADC1000-USB A/D Converter for Notebook Computer**

Contact:

<http://www.oceanoptics.com/products/adc1000usb.asp>

See the entire catalog of testing devices at <http://www.analyticaltechnology.com>

**Over a hundred new portable toxin sensing systems are now available from a variety of suppliers? A huge number of USB and quick connect sensor/software packages for notebook computers, cell phones and tablet toxin sensing are now available. "Don't get fooled again...", do your own testing!**

<http://www.youtube.com/watch?v=crqVvo0QhZ0>

<http://www.youtube.com/watch?v=nb8zECToulE>

### **The Newest Start-Ups: Mall and Mini-Van Toxic Testing Services. Could this be your next start-up venture?**

Did you ever wonder if that meat you just got at the grocery store was actually horse meat? [Now there's an App for that!](#)

Did you ever wonder if the fumes at the gas station are really giving you cancer? [Now there's an App for that!](#)

Did you ever worry about the plastic containers that hold your baby food? [Now there's an App for that!](#)

Is the factory down the block killing your family? [Now there's an App for that!](#)

Is the stuff you spray in your house cleaning or killing? [Now there's an App for that!](#)

Tech geeks are preparing to set up mall kiosks and offer mini-van on-call testing services which can provide testing results for carcinogens, heavy metals, harmful toxins, residual lethal trace elements and other hazards that can enter your body via breath, food or skin absorption.

Imagine picking up the latest blouse at Macy's and, afterwards, grabbing your toxins print-out, next to the Gap storefront, on the way back to your car.

Boston Area, Silicon Valley and Santa Monica innovators are racing to capture this new market for household safety. Just like ordering a pizza, new tech CEO's plan for you to call a **Toxi-Van** or a **Test-Mobile** that drives right up to your home or office with a back section full of blinking computerized analysis equipment. This equipment, which used to cost millions of dollars, is now as affordable as a mobile dog washing van and these start-up gurus plan to make the most of it.

Moore's Law has downsized, optimized and price reduced some of the most sophisticated material science equipment to allow a whole new market to emerge.

Founders hope to deliver the end-run on the: "is this dangerous" argument with affordable, fast CSI-like toxic materials analysis services.

DF, GHJ, HG

### **Here is a very, very small sample of what can be done today:**

<http://www.youtube.com/watch?v=Dugj2tg-M1M>

<http://www.youtube.com/watch?v=oEYWxmHm7tU>

<http://www.youtube.com/watch?v=TAEW3aXH8cl>

<http://www.youtube.com/watch?v=wNIJrLJO3-0>

<http://www.youtube.com/watch?v=5icVVPe7V0>

<http://www.youtube.com/watch?v=2DMI1BRkW4>

<http://www.youtube.com/watch?v=pN3A7IWO9P4>

Also check out: <http://nocelltowers.weebly.com/>

<http://www.sciencerecorder.com/news/beware-bbq-enthusiasts-newly-discovered-compounds-are-hundreds-of-times-more-mutagenic/>

<http://www.laboratoryequipment.com/news/2014/01/polluted-air-far-more-mutagenic-thought>

## **CANCER CAUSING CHEMICALS IN AUTO EXHAUST BBQ'S AND OTHER MATERIALS WORSE THAN KNOWN!**

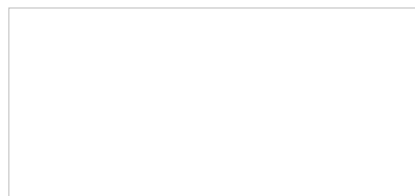
Test and know your house-hold materials

Take suspect materials to any good testing lab and compare results online  
with other communities.

[Science Recorder](#)

### **Beware - newly discovered compounds 100x more CANCER-CAUSING mutagenic**

These compounds were not previously known to exist, and raise new concerns about the health effects of air pollution or dietary exposure.



**Science Recorder** | James Fluere | Monday, January 06, 2014

[According to a news release from Oregon State University](#), Oregon State researchers have found novel compounds generated by certain kinds of chemical reactions that are hundreds of times more mutagenic than their parent compounds which are known carcinogens. The compounds are produced by chemical reactions found in vehicle exhaust or grilling meat.

These compounds were not previously known to exist, and raise new concerns about the health effects of air pollution or dietary exposure.

The compounds were discovered in laboratory experiments that imitate the kinds of environment which might be produced by combustion and exhaust in cars, or the cooking of meat over a flame.

"Some of the compounds that we've discovered are far more mutagenic than we previously understood, and may exist in the environment as a result of heavy air pollution from vehicles or some types of food preparation," posited Staci Simonich, a professor of chemistry and toxicology at Oregon State, in a statement. "We don't know at this point what levels may be present, and will explore that in continued research."

The parent compounds are polycyclic aromatic hydrocarbons (PAHs) developed naturally as the result of nearly any kind of combustion. Many PAHs, are known to be carcinogenic, and are the subject of in-depth research at Oregon State. According to scientists, PAHs are even more problematic when they chemically interact with nitrogen to become "nitrated" (NPAHs). The novel compounds are NPAHs.

This study discovered that the direct mutagenicity of the NPAHs with one nitrogen group can increase 6 to 432 times more than the parent compound. Mutagens are chemicals that can lead to DNA damage in cells that can eventually cause cancer. Researchers note that these numbers may actually underestimate the increase in toxicity.

These findings are a continuation of research on PAHs that was conducted by Simonich at the Beijing Summer Olympic Games in 2008. Beijing has major issues with air quality, and may be 10-50 times more polluted than some major urban areas in the U.S. with air pollution issues.

The study's results are described in greater detail in the journal *Environmental Science and Technology*.

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### **TEST YOUR BEACH!!!! See the portable devices used in the analysis below-**

#### **[LiveLeak.com - Official detects radiation spike on California beach ...](#)**

1 day ago ... Official detects radiation spike on **California beach**, now at 500% normal levels. 'Befuddled' as to why it's so high, claims there's no 'immediate' ...

[www.liveleak.com/view?i=de3\\_1388873791](http://www.liveleak.com/view?i=de3_1388873791) - [View by Ixquick Proxy](#) - [Highlight](#)

#### **[Health officials respond to beach radiation scare - Half Moon Bay ...](#)**

2 days ago ... Health officials respond to **beach** radiation scare ..... Northern **California Beach** Reading 500 CPM on 12/20/2013 – Fukushima Radiation Is ...

[www.hmbreview.com/news/health-officials-respond-to-beach-radiation-scare/article\\_8c7e7fb0-74de-11e3-9c9d-001a4bcf887a.html](http://www.hmbreview.com/news/health-officials-respond-to-beach-radiation-scare/article_8c7e7fb0-74de-11e3-9c9d-001a4bcf887a.html) - [View by Ixquick Proxy](#) - [Highlight](#)

#### **[Official detects radiation spike on California beach, now at 500 ...](#)**

2 days ago ... Official detects radiation spike on **California beach**, now at 500% normal levels — 'Befuddled' as to why it's so high, claims there's no ...

[www.enenews.com/just-in-official-detects-radiation-at-500-normal-level-on-california-beach-befuddled-as-to-why-its-so-high-claims-its-no-immediate-public-health-concern-video](http://www.enenews.com/just-in-official-detects-radiation-at-500-normal-level-on-california-beach-befuddled-as-to-why-its-so-high-claims-its-no-immediate-public-health-concern-video) - [View by Ixquick Proxy](#) - [Highlight](#)

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### **TESTING FOR CELL PHONE CANCER:**

[Safer EMR - Electromagnetic Radiation Safety](#)

UC Berkeley Center for Family and Community Health: [News Releases](#)

[The Digital Detox](#)

[Camp Grounded](#)

Environmental Health Trust: [Why Parents and Children Should Practice Safe Phone](#)

[Common Sense Media](#)

Zone'in Programs, Inc.: [Manage technology with healthy living](#)

Moving to Learn: [Exploring the effects of technology on children](#)

Cris Rowan: [Virtual Child: The terrifying truth about what technology is doing to children](#)

Time: [Pediatricians Say Cell Phone Radiation Standards Need Another Look](#)

[Electromagnetic Health](#)

Huffington Post: [10 Reasons Why Handheld Devices Should Be Banned for Children Under the Age of 12](#)

SF Gate: [Study: Smartphones are making us bad parents](#)

Consumer Reports: [Most kids 8 to 12 now have cell phones. Should yours?](#)

Pew Research Center: [Teens and Technology 2013](#)

The Atlantic: [Almost 20% of 3rd Graders Have Cell Phones](#)

RF/EMF: [When Experts Disagree. Play it Safe With Children](#)

[Doubt is Their Product: How Industry's Assault on Science Threatens Your Health](#)

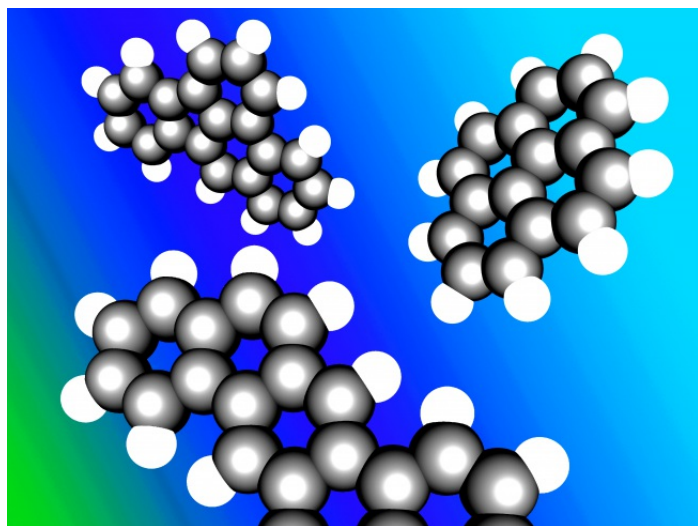
## **New and Deadly Cancer Causing Compounds Discovered: PAHs and NPAHs**

Added by [Douglas Cobb](#) on January 6, 2014.

Saved under [air pollution](#), [cancer](#), [Douglas Cobb](#), [Health](#)

Tags: [Cancer](#), [top](#)

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Whenever you grill meat, mow a lawn with a gas lawnmower, or drive a gas-powered vehicle, you're producing newly discovered, highly mutagenic cancer causing compounds called PAHs and NPAHs, according to a recent study by scientists from four universities: Oregon State, Peking University, Texas A&M University, and the University of California-Riverside.

These newly identified cancer causing compounds are in the air pollution of major cities, and also are created whenever we grill food, like hamburgers, hotdogs, chicken, and steak. No health standards or regulations exist yet for them, as they haven't been known about long enough for such standards and regulations to have been developed yet.

These extremely mutagenic cancer causing chemical compounds were discovered as a result of experiments designed to mimic the grilling of meat over a fire, or combustion and exhaust fumes emitted by gas-powered vehicles.

Chemicals that alter, or mutate, genetic material are mutagens. Many mutagens are carcinogenic agents, chemicals or chemical compounds known to result in cancer.

The research that the scientists did involved parent compounds known as polycyclic aromatic hydrocarbons (PAHs). These PAHs are formed by almost any sort of combustion, like from cars, trucks, wood stoves, coal-fired power plants, and cigarettes.

Several of these PAHs are carcinogenic, like benzopyrene. They are a major health concern in and of themselves, and are being researched around the world.

According to scientists, when PAHs interact with nitrogen and become "nitrated (NPAHs)," they become even more of a health problem. Until now, NPAHs were unknown.

Staci Simonich, a professor of chemistry and toxicology in the OSU College of Agricultural Sciences, states that these NHPAH compounds "may exist in the environment as a result of heavy air pollution from vehicles or some types of food preparation."

According to the findings of the study published in December 2013 in the journal *Environmental Science and Technology*, all it takes is one nitrogen group combined with the NPAHs to increase the direct mutagenicity of the NPAHs anywhere from six to 432 times greater than the PAHs, or parent compounds, that they're derived from.

Increase the number of nitrogen groups to two, and the resultant NPAHs can be 272-467 times more mutagenic. The researchers state that they're being modest in their assessments and that the toxicity might be much higher than the estimates they give in the recent study.

Simonich's previous research into PAHs during the Beijing Summer Olympic Games laid the groundwork for the joint work the researchers did involving NPAHs. The government of China and other governments and athletes worldwide wondered what the affects might be of Beijing's bad air pollution, and what the impact of it might be on the individual performances.

A World Health Organization agency declared last fall that air pollution — especially *particulate* air pollution — is carcinogenic and can also pose other serious health problems. PAHs are found on particulate matter that makes up a lot of air pollution.

Simonich had the idea of conducting air quality monitoring on Mount Bachelor in Oregon, to find out the levels of air pollution that there were in air that journeyed to the United States from countries on the other side of the Pacific Ocean.

The work of the researchers at the four universities involving the impact of the newly discovered cancer causing compounds, PAHs and NPAHs, was funded by the National Science Foundation, the National Institute of Environmental Health Sciences, and OSU's Superfund Research Program.

Written by: Douglas Cobb

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## 500,000 People killed in China from the Air!!! Ugh!

<http://www.pbs.org/newshour/rundown/2014/01/ex-chinese-health-minister-says-air-pollution-kills-up-to-500000-people-a-year.html>

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## Why Air Pollution Is So Much Worse Than You Thought, **Causing 1 In 8 Global Deaths**

By [Chris Tognotti @ctognotti](#)

The World Health Organization has said that [seven million people died from air pollution](#) in 2012, a terrible death toll linked to what they call "the world's single largest environmental health risk." A slew of recent studies have found [links between air pollution and forms of cancer](#), as well as cardiovascular and respiratory diseases; WHO linked about [one-eighth of all global deaths](#) in 2012 to air pollution. The worst of it was felt in South East Asia, and the WHO's Western Pacific region, which includes China, Malaysia, Japan and the Philippines.

It's been a pretty harrowing 2014 so far for those concerned with the health implications of air pollution. A number of recent studies have presented compelling potential understandings of the toll that dirty air can have on the human body. One such study found that traffic pollution could cause electrical and [physical changes to your heart's structure](#). Another suggested a potential [link between pollution and autism](#), by way of measuring heightened autism rates among young children with genital malformations, which themselves have been linked to environmental pollutants and toxins.

And another, conducted on young children born in coal pollution-suffused Tongliang county in China, found that the exposure had caused [genetic changes which hurt their learning](#) and memory skills.

Just this month, France saw [air pollution throughout Paris spike](#) so badly that the government advised young children and the elderly to stay indoors.

Staying indoors in a metropolitan destination like Paris may be a option, but the WHO's findings in regard to indoor air pollution are chilling. In mostly low-to-middle income areas in those South East Asian and Western Pacific regions, most people died as a result of indoor air pollution — about 3.3 million deaths, compared to 2.6 million outdoors.



Pin it

The ways in which air pollution wreaks a toll on the human body are becoming better-understood, including how dangerous air pollution can be for people with heart problems or risk of strokes. Most of 2012's pollution-related deaths occurred by way of heart disease, at 40 percent.

Said Dr. Maria Neira, director of the WHO's public health, environmental and social determinants of health department:

The risks from air pollution are now far greater than previously thought or understood, particularly for heart disease and strokes. Few risks have a greater impact on global health today than air pollution. The evidence signals the need for concerted action to clean up the air we all breathe.

[Exposure to DDT pesticide may increase Alzheimer's risk...](#)

Exposure to the synthetic **pesticide DDT** may increase both the risk and severity of **Alzheimer's** disease in some individuals - especially those over the age of 60.

[foxnews.com/health/2014/01/28/exposure-to-ddt-pesti...](http://foxnews.com/health/2014/01/28/exposure-to-ddt-pesti...)

[DDT pesticide exposure may raise Alzheimer's disease risk...](#)

The **DDT pesticide** that's been banned in the U.S. for decades may be contributing to **Alzheimer's** disease risk in elderly adults. Researchers reported in the Jan. 27 issue of JAMA Neurology that people with the degenerative brain disease had levels of a **DDT** metabolite in their blood, called DDE

[cbsnews.com/news/ddt-pesticide-exposure-may-raise-a...](http://cbsnews.com/news/ddt-pesticide-exposure-may-raise-a...)



[Banned pesticide DDT may raise risk of Alzheimer's disease ...](#)

The **pesticide DDT** was banned in Britain nearly 30 years ago but researchers have discovered people with **Alzheimer's** disease have much higher levels in their bloodstream.

telegraph.co.uk/science/science-news/10600234/Banned-pe...



[Possible Link Between DDT Pesticide Exposure And Alzheimer's ...](#)

The new study actually sprung from previous research on the link between various **pesticides** and Parkinson's disease. Researchers noticed unexpectedly high levels of DDE, a metabolite of **DDT**, in **Alzheimer's** patients, who were supposed to be serving as controls.

forbes.com/sites/alicegwalton/2014/01/28/is-the-pe...



[Pesticide DDT Linked to Increased Alzheimer's Risk, Study ...](#)

The **pesticide DDT**, banned in the U.S. because of its toxic effects on wildlife and potential to harm human health, may raise the risk for **Alzheimer's** disease, according to the first study linking the chemical to the brain-ravaging illness.

businessweek.com/news/2014-01-27/pesticide-ddt-linked-to...



[DDT exposure more common in people with Alzheimer's: study ...](#)

**DDT** exposure more common in people with **Alzheimer's**: study Rutgers researchers are studying a link between the **pesticide** - which was banned in the U.S. decades ago but is still used elsewhere in the world - and the degenerative brain disease.

nydailynews.com/life-style/health/study-links-pesticide...



[BBC News - DDT: Pesticide linked to Alzheimer's](#)

Exposure to a once widely used **pesticide, DDT**, may increase the chances of developing **Alzheimer's** disease, suggest US researchers.

bbc.co.uk/news/health-25913568



[Banned Pesticide DDT Linked With Alzheimer's Disease](#)

Higher blood levels of a byproduct of the now-banned **pesticide DDT** is associated with increased risk for **Alzheimer's** disease, according to a small new study in the journal JAMA Neurology.

huffingtonpost.com/2014/01/27/ddt-alzheimers-banned-pestic...



[DDT exposure linked to Alzheimer's disease](#)

A new study links exposure to the insecticide **DDT** with **Alzheimer's** disease. Researchers found evidence of **DDT** exposure in 80% of patients with **Alzheimer's** disease.

usatoday.com/story/news/nation/2014/01/27/ddt-alzhei...



[DDT pesticide exposure may up Alzheimer's risk - Health News ...](#)

"**DDT: Pesticide** linked to **Alzheimer's**," BBC News reports. A US study found that levels of the now banned **pesticide DDT** were almost four times higher in people with a confirmed diagnosis of **Alzheimer's** disease. **DDT** was widely used as a **pesticide** during much of the 20th century, but is now banned in

nhs.uk/news/2014/01/January/Pages/DDT-pesticide...